## **ABSTRACT**

The invention relates to novel benzopyran derivatives of formula I, to their method of production, to composition comprising the derivatives and use thereof.

$$R_1$$
 $R_2$ 
 $R_3$ 
 $R_4$ 
 $R_5$ 
 $R_6$ 

**(I)** 

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wherein:

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R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub> and R<sub>4</sub> are independently hydrogen, halogen, C<sub>1-6</sub>-alkyl, C<sub>3-8</sub>cycloalkyl, hydroxy, C<sub>1-6</sub>-alkoxy, C<sub>1-6</sub>-alkoxy-C<sub>1-6</sub>-alkyl, nitro, amino, cyano, cyanomethyl, perhalomethyl, C<sub>1-6</sub>-monoalkyl- or dialkylamino, sulfamoyl, C<sub>1-6</sub>alkylthio, C<sub>1-6</sub>-alkylsulfonyl, C<sub>1-6</sub>-alkylsulfinyl, formyl, C<sub>1-6</sub>-alkylcarbonylamino, R<sub>8</sub>arylsulfonyl, R<sub>8</sub>arylthio, R<sub>8</sub>arylsulfinyl,  $C_{1-6}$ -alkoxycarbonyl, alkoxycarbonyl-C<sub>1-6</sub>-alkyl, carbamoyl, carbamoylmethyl, C<sub>1-6</sub>-monoalkyl- or dialkylaminocarbonyl, C<sub>1-6</sub>-monoalkyl- or dialkylaminothiocarbonyl, ureido, C<sub>1</sub>. 6-monoalkyl- or dialkylaminocarbonylamino, thioureido, C<sub>1-6</sub>-monoalkyl- or dialkylaminothiocarbonylamino,  $C_{1-6}$ -monoalkyl- or dialkylaminosulfonyl, carboxy, carboxy-C<sub>1-6</sub>-alkyl, acyl, R<sub>8</sub>aryl, R<sub>8</sub>aryl-C<sub>1-6</sub>-alkyl, R<sub>8</sub>aryloxy;  $R_5$  and  $R_6$  are each independently hydrogen,  $C_{1\text{--}6}\text{--alkyl}$  or,  $R_5$  and  $R_6$  taken together with the carbon atom to which they are attached form a 3- to 6membered carbocyclic ring;

R<sub>7</sub> is 2-, 3- or 4-pyridyl optionally mono- or polysubstituted by  $R_1$ ;  $R_7 \text{ is 2- or 3-thienyl optionally mono- or polysubstituted substituted by } R_1 \text{ or } R_2 \text{ or } R_3 \text{$ 

 $R_7$  is phenyl optionally mono- or polysubstituted by  $R_1$  with the exception of or  $R_7$  representing  $C_6H_5$ ;

R<sub>8</sub> is hydrogen, halogen, C<sub>1-6</sub>-alkyl, C<sub>3-8</sub>-cycloalkyl, hydroxy, C<sub>1-6</sub>-alkoxy, nitro, amino, cyano, cyanomethyl, perhalomethyl;

or a salt thereof with a pharmaceutically acceptable acid or base, or any optical isomer or mixture of optical isomers, including a racemic mixture or any polymorphic and tautomeric form.

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